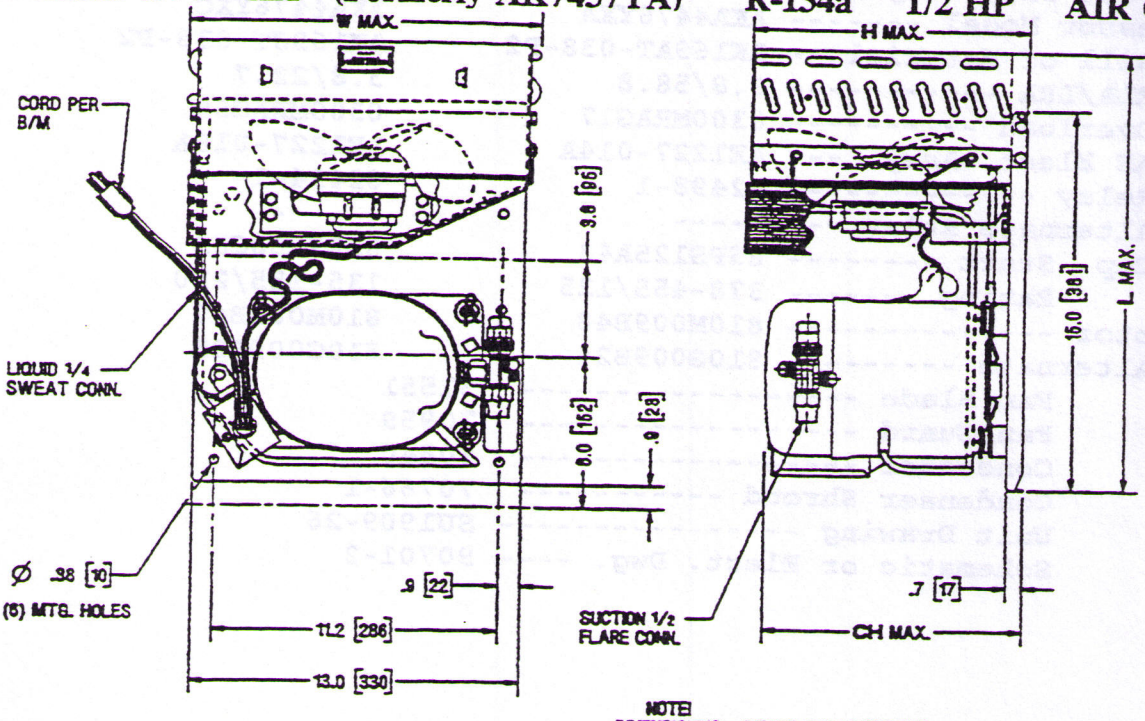
TECUMSEH HERMETIC CONDENSING UNITS

Date: 9-7-95

MODEL AKA7437Y**XA (Formerly AK7437YA) R-134a 1/2 HP AIR COOLED



NOTE: DIMENSIONING = INCHES [MILLIMETERS]

Model	Dimensions				*Line Connection		Pumpdown 90 ° F 90% Full	Air CFM	Oil Chg oz.	Gr. Wt. Lbs.
	L	W	H	CH	Suct.	Liq.				
AKA7437Y**XA	17.4	14.0	10.9	10.1	1/2 F	1/4 S	—	350	17	72

*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare or Solder Connections
Factory charge: 20 psig nitrogen - **MUST BE EVACUATED** 60 HZ Performance

Approved Evap. Range		Ambient								
		90° F			100° F			110° F		
°F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
-10	2.0	1650	480	130	1250	440	145	950	390	160
-5	4.1	1950	530	140	1500	500	150	1200	460	170
0	6.5	2250	580	145	1800	560	160	1500	520	175
5	9.1	2600	630	155	2150	610	170	1750	590	185
10	11.9	3000	690	160	2500	670	180	2100	660	195
15	15.0	3400	740	170	2900	740	190	2450	730	205
20	18.4	3800	800	180	3300	800	200	2800	800	220
25	22.1	4250	870	190	3700	880	210	3200	890	230
30	26.0	4700	940	200	4100	950	220	3600	970	240

20 ° F return gas temp. Max. Superheat above 20 ° F evap.,
40 ° F max. Below 20 ° F evap., 5 ° F subcooling

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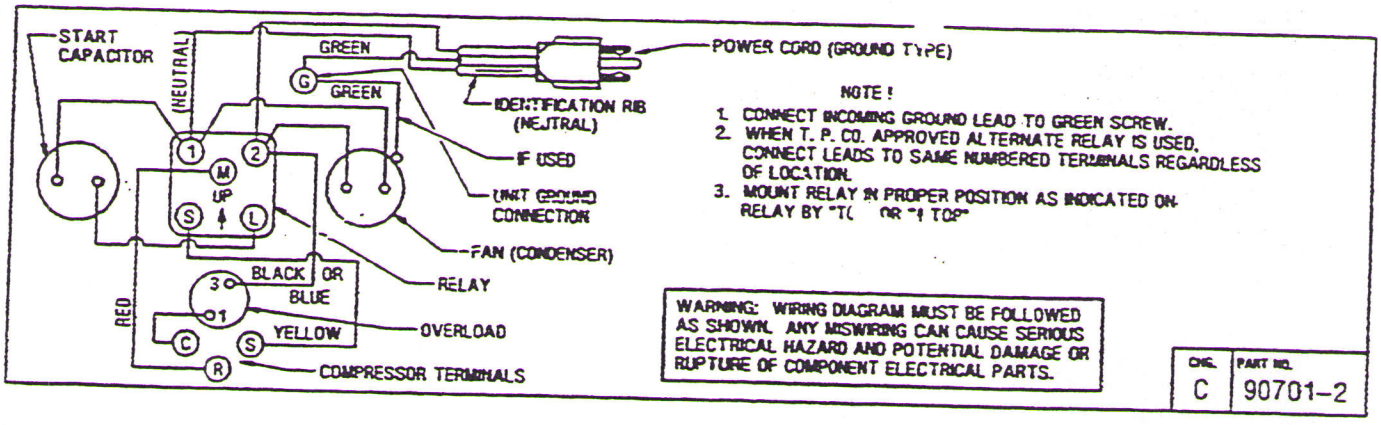
SPECIFICATIONS	AKA7437YXAXA	AKA7437YXCXA
Nominal Voltage	115-60-1	240/220-50-1
Unit B/M	2C285-1	2D285-1
Voltage Range	126.5 to 103.5	264 to 198
Min. Circuit Ampacity	11.5	5.0
Max. Fuse Size (Amps)	20	15
Compressor Model	AKA4476YXA	AKA4476YXC
Bill of Material	AK169AT-038-P2	AK169JT-038-P2
RLA/LRA	8.8/58.8	3.8/22.7
Overload	8300MRAG17	8300MRAG59
AE Elect. Assy.	AE1227-014A	AE1227-018A
Relay	82498-1	82494-1
Alternate Relay	-----	------
Cap. Start	85PS125A43	85PS250C53
Rating	378-455/125	135-155/250
Fan Motor	810M009B48	810M009B47
Alternate	810G009B24	810G009B25
Fan Blade	51551	
Fan Guard	70959	
Condenser	50840	
Condenser Shroud	70766-1	
Unit Drawing	SU1909-26	
Schematic or Elect. Dwg.	90701-2	


START CAPACITOR
NEUTRAL
GREEN
GREEN
POWER CORD (GROUND TYPE)
IDENTIFICATION RIB (NEUTRAL)
IF USED
UNIT GROUND CONNECTION
FAN (CONDENSER)
RELAY
BLACK OR BLUE
RED
YELLOW
OVERLOAD
COMPRESSOR TERMINALS
NOTE !
1. CONNECT INCOMING GROUND LEAD TO GREEN SCREW.
2. WHEN T. P. CO. APPROVED ALTERNATE RELAY IS USED, CONNECT LEADS TO SAME NUMBERED TERMINALS REGARDLESS OF LOCATION.
3. MOUNT RELAY IN PROPER POSITION AS INDICATED ON RELAY BY "TOP"
WARNING: WIRING DIAGRAM MUST BE FOLLOWED AS SHOWN. ANY MISWIRING CAN CAUSE SERIOUS ELECTRICAL HAZARD AND POTENTIAL DAMAGE OR RUPTURE OF COMPONENT ELECTRICAL PARTS.
CHG. C
PART NO. 90701-2

U.L. Listed -----(60 HZ only)----File #SA2372 ----------Card Guide #SGYU
CSA Certified ----------Canadian File #12964C ----------USA File #8873C